

*AHRQ Quality Indicators<sup>TM</sup>*



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# PATIENT SAFETY INDICATORS™ v6.0

## ICD-9-CM BENCHMARK DATA TABLES

**Prepared for:**

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## Introduction

The data presented in this document are nationwide comparative rates for Version 6.0 of Agency for Healthcare Research and Quality (AHRQ) Quality Indicators™ (QI) Patient Safety Indicators (PSI) Research Software. The rates are based on analysis of 40 States from the 2013 AHRQ Healthcare Cost and Utilization Project (HCUP) State Inpatient Databases (SID).<sup>1</sup> HCUP is a family of health care databases and related software tools and products developed through a Federal-State-industry partnership<sup>2</sup>. HCUP includes the largest collection of longitudinal hospital care data in the United States, with all-payer, encounter-level information beginning in 1988. The SID contains all-payer, encounter-level information on inpatient discharges, including clinical and resource information typically found on a billing record, such as patient demographics, up to 30 International Classification of Diseases, Ninth Revision, Clinical Modification diagnoses and procedures, length of stay, expected payer, admission and discharge dates, and discharge disposition. In 2013, the HCUP databases represented more than 97 percent of all annual discharges in the United States. The dataset analyzed to generate the tables in this document consists of the same hospital discharge records that comprise the reference population for Version 6.0 of the AHRQ QI software. Additional information on the reference population and the risk adjustment process may be found in Quality Indicator Empirical Methods, available on the AHRQ QITM website. (<http://www.qualityindicators.ahrq.gov/modules/Default.aspx>)

The QI observed rates for provider-level indicators are scaled to the rate per 1,000 persons at risk and the area-level indicators are per 100,000. Volume and count indicator results are listed as simple counts with no scaling at all. Rates for any cells with 1 to 10 cases are not presented.

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The tables below are calculated for the overall reference population.

1 The states included in the analysis are Arkansas, Arizona, California, Colorado, Connecticut\*, Florida, Georgia, Hawaii, Iowa, Illinois, Indiana, Kansas, Kentucky, Maryland, Michigan, Minnesota, Missouri\*, Montana, North Carolina, North Dakota, Nebraska, New Jersey, New Mexico, Nevada, New York, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, South Dakota, Tennessee, Texas, Utah\*, Virginia, Vermont, Washington, Wisconsin, West Virginia\*, and Wyoming\*. Those states marked with \* are not included in the provider level analyses; the reference population for provider indicators is limited to states with complete present on admission data.

2 The AHRQ QI program would like to acknowledge the HCUP Partner organizations that participated in the HCUP SID: Arizona Department of Health Services, Arkansas Department of Health, California Office of Statewide Health Planning and Development, Colorado Hospital Association, Connecticut Hospital Association, Florida Agency for Health Care Administration, Georgia Hospital Association, Hawaii Health Information Corporation, Illinois Department of Public Health, Indiana Hospital Association, Iowa Hospital Association, Kansas Hospital Association, Kentucky Cabinet for Health and Family Services, Maryland Health Services Cost Review Commission, Michigan Health & Hospital Association, Minnesota Hospital Association (provides data for Minnesota and North Dakota), Mississippi Department of Health, Missouri Hospital Industry Data Institute, Montana MHA - An Association of Montana Health Care Providers, Nebraska Hospital Association, Nevada Department of Health and Human Services, New Hampshire Department of Health & Human Services, New Jersey Department of Health, New Mexico Department of Health, New York State Department of Health, North Carolina Department of Health and Human Services, North Dakota (data provided by the Minnesota Hospital Association), Ohio Hospital Association, Oklahoma State Department of Health, Oregon Association of Hospitals and Health Systems, Oregon Health Policy and Research, Pennsylvania Health Care Cost Containment Council, Rhode Island Department of Health, South Carolina Budget & Control Board, South Dakota Association of Healthcare Organizations, Tennessee Hospital Association, Texas Department of State Health Services, Utah Department of Health, Vermont Association of Hospitals and Health Systems, Virginia Health Information, Washington State Department of Health, West Virginia Health Care Authority, Wisconsin Department of Health Services, Wyoming Hospital Association.

**Table 1. Patient Safety Provider-Level Indicators for Overall Population**

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1000 (=OBSERVED RATEx1,000)
<b>PROVIDER-LEVEL INDICATORS</b>				
PSI 02	Death Rate in Low-Mortality Diagnosis Related Groups (DRGs)	1,834	5,311,023	0.35
PSI 03	Pressure Ulcer Rate	2,957	10,888,098	0.27
PSI 04	Death Rate among Surgical Inpatients with Serious Treatable Complications	21,226	182,429	116.35
PSI 04A	Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum A	1,056	22,297	47.36
PSI 04B	Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum B	5,596	81,729	68.47
PSI 04C	Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum C	5,074	28,404	178.64
PSI 04D	Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum D	8,399	24,563	341.94
PSI 04E	Death Rate among Surgical Inpatients with Serious Treatable Complications - Stratum E	1,101	25,436	43.29
PSI 05	Retained Surgical Item or Unretrieved Device Fragment Count	837	--	--
PSI 06	Iatrogenic Pneumothorax Rate	5,898	18,656,629	0.32
PSI 07	Central Venous Catheter-Related Blood Stream Infection Rate	2,305	15,152,924	0.15
PSI 08	Postoperative Hip Fracture Rate	1,067	14,000,364	0.08
PSI 09	Perioperative Hemorrhage or Hematoma Rate	22,792	5,213,482	4.37
PSI 10	Postoperative Acute Kidney Injury Requiring Dialysis	1,742	2,626,127	0.66
PSI 11	Postoperative Respiratory Failure Rate	20,918	2,247,585	9.31
PSI 12	Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate	20,429	5,512,190	3.71
PSI 13	Postoperative Sepsis Rate	10,600	2,532,457	4.19
PSI 14	Postoperative Wound Dehiscence Rate	1,402	821,047	1.71
PSI 15	Accidental Puncture or Laceration Rate	724	1,014,366	0.71
PSI 16	Transfusion Reaction Count	38	--	--
PSI 18	Obstetric Trauma Rate – Vaginal Delivery With Instrument	16,741	130,922	127.87
PSI 19	Obstetric Trauma Rate – Vaginal Delivery Without Instrument	36,536	1,829,597	19.97

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**Table 2. Patient Safety Area-Level Indicators for Overall Population**

INDICATOR	LABEL	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
<b>AREA-LEVEL INDICATORS</b>				
PSI 21	Retained Surgical Item or Unretrieved Device Fragment Rate	2,007	219,821,610	0.91
PSI 22	Iatrogenic Pneumothorax Rate	11,795	219,821,649	5.37
PSI 23	Central Venous Catheter-Related Blood Stream Infection Rate	10,264	219,821,627	4.67
PSI 24	Postoperative Wound Dehiscence Rate	3,108	219,821,618	1.41
PSI 25	Accidental Puncture or Laceration Rate	823	219,821,607	0.37
PSI 26	Transfusion Reaction Rate	155	219,821,602	0.07
PSI 27	Perioperative Hemorrhage or Hematoma Rate	58,660	219,821,861	26.69

**Table 3. PSI 02 - Death Rate in Low-Mortality Diagnosis Related Groups (DRGs)**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,834	5,311,023	0.35
Females	1,082	4,416,411	0.24
Males	752	894,612	0.84
0 to 17 years	*****	66,476	*****
18 to 39 years	267 - 276	3,606,846	0.07 - 0.08
40 to 64 years	299	1,043,982	0.29
65 to 74 years	243	265,798	0.91
75+ years	1,021	327,921	3.11
Private	269	2,181,770	0.12
Medicare	1,190	836,551	1.42
Medicaid	257	1,790,311	0.14
Other	48	206,547	0.23
Uninsured (self-pay/no charge)	70	295,844	0.24

\*\*\*\* Obscured due to small sample size

**Table 4. PSI 03 – Pressure Ulcer Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	2,957	10,888,098	0.27
Females	1,298	5,865,893	0.22
Males	1,659	5,022,205	0.33
0 to 17 years	--	--	--
18 to 39 years	184	1,249,380	0.15
40 to 64 years	920	4,000,055	0.23
65 to 74 years	714	2,204,811	0.32
75+ years	1,139	3,433,852	0.33
Private	468	2,418,003	0.19
Medicare	1,905	6,236,348	0.31
Medicaid	388	1,208,794	0.32
Other	95	366,263	0.26
Uninsured (self-pay/no charge)	101	658,690	0.15

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**Table 5. PSI 04 – Death Rate among Surgical Inpatients with Serious Treatable Complications**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	21,226	182,429	116.35
Females	9,171	87,549	104.75
Males	12,055	94,880	127.06
0 to 17 years	*****	53	*****
18 to 39 years	1,080 - 1,089	16,548	65.26 - 65.81
40 to 64 years	6,846	67,435	101.52
65 to 74 years	5,506	45,873	120.03
75+ years	7,792	52,520	148.36
Private	4,025	45,368	88.72
Medicare	13,588	103,985	130.67
Medicaid	1,922	18,422	104.33

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Other	595	6,052	98.31
Uninsured (self-pay/no charge)	1,096	8,602	127.41

\*\*\*\* Obscured due to small sample size

**Table 6. PSI 04A – Death Rate among Surgical Inpatients with Serious Treatable Complications – Stratum A**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,056	22,297	47.36
Females	500	11,412	43.81
Males	556	10,885	51.08
0 to 17 years	*****	*****	*****
18 to 39 years	44 - 53	2,073 - 2,082	21.23 - 25.46
40 to 64 years	369	8,998	41.01
65 to 74 years	278	5,745	48.39
75+ years	363	5,478	66.27
Private	239	6,794	35.18
Medicare	643	11,646	55.21
Medicaid	86	1,980	43.43
Other	28	828	33.82
Uninsured (self-pay/no charge)	60	1,049	57.20

\*\*\*\* Obscured due to small sample size

**Table 7. PSI 04B – Death Rate among Surgical Inpatients with Serious Treatable Complications – Stratum B**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	5,596	81,729	68.47
Females	2,281	38,016	60.00
Males	3,315	43,713	75.84
0 to 17 years	*****	35	*****
18 to 39 years	287 - 296	7,679	37.37 - 38.55
40 to 64 years	1,577	28,489	55.35
65 to 74 years	1,303	19,649	66.31
75+ years	2,423	25,877	93.64
Private	1,013	19,356	52.34
Medicare	3,660	47,124	77.67
Medicaid	463	8,274	55.96
Other	168	2,785	60.32
Uninsured (self-pay/no charge)	292	4,190	69.69

\*\*\*\* Obscured due to small sample size

**Table 8. PSI 04C – Death Rate among Surgical Inpatients with Serious Treatable Complications – Stratum C**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	5,074	28,404	178.64
Females	2,106	12,964	162.45
Males	2,968	15,440	192.23
0 to 17 years	*****	*****	*****
18 to 39 years	162 - 171	2,496 - 2,505	64.90 - 68.26
40 to 64 years	1,462	10,699	136.65
65 to 74 years	1,418	7,102	199.66
75+ years	2,022	8,095	249.78
Private	883	6,670	132.38

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Medicare	3,409	16,112	211.58
Medicaid	428	3,259	131.33
Other	147	1,011	145.40
Uninsured (self-pay/no charge)	207	1,352	153.11

\*\*\*\* Obscured due to small sample size

**Table 9. PSI 04D – Death Rate among Surgical Inpatients with Serious Treatable Complications – Stratum D**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (-OBSERVED RATEx1,000)
Overall	8,399	24,563	341.94
Females	3,830	12,689	301.84
Males	4,569	11,874	384.79
0 to 17 years	*****	11	*****
18 to 39 years	542 - 551	2,835	191.18 - 194.36
40 to 64 years	3,032	9,308	325.74
65 to 74 years	2,194	6,217	352.9
75+ years	2,624	6,192	423.77
Private	1,690	6,183	273.33
Medicare	5,165	13,773	375.01
Medicaid	848	2,845	298.07
Other	233	646	360.68
Uninsured (self-pay/no charge)	463	1,116	414.87

\*\*\*\* Obscured due to small sample size

**Table 10. PSI 04E – Death Rate among Surgical Inpatients with Serious Treatable Complications – Stratum E**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (-OBSERVED RATEx1,000)
Overall	1,101	25,436	43.29
Females	454	12,468	36.41
Males	647	12,968	49.89
0 to 17 years	*****	*****	*****
18 to 39 years	13 - 22	1,451 - 1,460	8.96 - 15.07
40 to 64 years	406	9,941	40.84
65 to 74 years	313	7,160	43.72
75+ years	360	6,878	52.34
Private	200	6,365	31.42
Medicare	711	15,330	46.38
Medicaid	97	2,064	47.00
Other	19	782	24.30
Uninsured (self-pay/no charge)	74	895	82.68

\*\*\*\* Obscured due to small sample size

**Table 11. PSI 05 – Retained Surgical Item or Unretrieved Device Fragment Count**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (-OBSERVED RATEx1,000)
Overall	837	.	.
Females	453	.	.
Males	384	.	.
0 to 17 years	--	.	.
18 to 39 years	186	.	.
40 to 64 years	320	.	.
65 to 74 years	168	.	.
75+ years	163	.	.

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Private	295	.	.
Medicare	346	.	.
Medicaid	122	.	.
Other	43	.	.
Uninsured (self-pay/no charge)	31	.	.

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**Table 12. PSI 06 – Latrogenic Pneumothorax Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	5,898	18,656,629	0.32
Females	3,366	9,897,856	0.34
Males	2,532	8,758,773	0.29
0 to 17 years	****	****	****
18 to 39 years	479	2,521,657	0.19
40 to 64 years	1,782	7,225,320	0.25
65 to 74 years	1,258	3,630,956	0.35
75+ years	2,379	5,278,696	0.45
Private	1,181	4,580,709	0.26
Medicare	3,740	9,964,138	0.38
Medicaid	584	2,128,238	0.27
Other	142	693,735	0.20
Uninsured (self-pay/no charge)	251	1,289,809	0.19

\*\*\*\* Obscured due to small sample size

**Table 13. PSI 07 – Central Venous Catheter-Related Blood Stream Infection Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	2,305	15,152,924	0.15
Females	1,099	9,456,797	0.12
Males	1,206	5,696,127	0.21
0 to 17 years	*****	59,710	*****
18 to 39 years	476 - 485	4,415,331	0.11 - 0.11
40 to 64 years	1,011	4,873,822	0.21
65 to 74 years	414	2,283,302	0.18
75+ years	395	3,520,759	0.11
Private	451	4,393,543	0.10
Medicare	1,085	6,494,083	0.17
Medicaid	501	2,696,322	0.19
Other	76	569,568	0.13
Uninsured (self-pay/no charge)	192	999,408	0.19

\*\*\*\* Obscured due to small sample size

**Table 14. PSI 08 – Postoperative Hip Fracture Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,067	14,000,364	0.08
Females	638	7,447,706	0.09
Males	429	6,552,658	0.07
0 to 17 years	--	--	--
18 to 39 years	*****	1,778,526	*****
40 to 64 years	153 - 162	5,349,144	0.03 - 0.03
65 to 74 years	230	2,719,131	0.08
75+ years	667	4,153,563	0.16
Private	79 - 88	3,319,861	0.02 - 0.03
Medicare	891	7,676,478	0.12

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Medicaid	63	1,567,157	0.04
Other	22	451,818	0.05
Uninsured (self-pay/no charge)	*****	985,050	*****

\*\*\*\* Obscured due to small sample size

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**Table 15. PSI 09 – Perioperative Hemorrhage or Hematoma Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	22,792	5,213,482	4.37
Females	11,116	2,793,794	3.98
Males	11,676	2,419,688	4.83
0 to 17 years	--	--	--
18 to 39 years	2,533	627,190	4.04
40 to 64 years	10,049	2,304,482	4.36
65 to 74 years	5,306	1,211,437	4.38
75+ years	4,904	1,070,373	4.58
Private	7,692	1,866,355	4.12
Medicare	11,040	2,422,416	4.56
Medicaid	2,211	417,518	5.30
Other	815	230,090	3.54
Uninsured (self-pay/no charge)	1,034	277,103	3.73

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**Table 16. PSI 10 – Postoperative Acute Kidney Injury Requiring Dialysis**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,742	2,626,127	0.66
Females	631	1,494,471	0.42
Males	1,111	1,131,656	0.98
0 to 17 years	--	--	--
18 to 39 years	55	228,697	0.24
40 to 64 years	640	1,229,333	0.52
65 to 74 years	577	707,380	0.82
75+ years	470	460,717	1.02
Private	466	1,080,747	0.43
Medicare	1,088	1,227,317	0.89
Medicaid	113	150,966	0.75
Other	47	103,192	0.46
Uninsured (self-pay/no charge)	28	63,905	0.44

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**Table 17. PSI 11 – Postoperative Respiratory Failure Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	20,918	2,247,585	9.31
Females	11,109	1,341,996	8.28
Males	9,809	905,589	10.83
0 to 17 years	--	--	--
18 to 39 years	1,042	212,813	4.90
40 to 64 years	8,353	1,087,195	7.68
65 to 74 years	6,359	588,750	10.80
75+ years	5,164	358,827	14.39
Private	5,492	970,205	5.66
Medicare	12,878	996,634	12.92
Medicaid	1,533	131,263	11.68

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Other	594	94,561	6.28
Uninsured (self-pay/no charge)	421	54,922	7.67

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**Table 18. PSI 12 – Perioperative Pulmonary Embolism or Deep Vein Thrombosis Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	20,429	5,512,190	3.71
Females	10,275	2,928,662	3.51
Males	10,154	2,583,528	3.93
0 to 17 years	--	--	--
18 to 39 years	1,409	652,642	2.16
40 to 64 years	7,819	2,415,245	3.24
65 to 74 years	5,404	1,286,797	4.20
75+ years	5,797	1,157,506	5.01
Private	5,651	1,942,713	2.91
Medicare	11,449	2,597,510	4.41
Medicaid	1,734	440,509	3.94
Other	721	240,058	3.00
Uninsured (self-pay/no charge)	874	291,400	3.00

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**Table 19. PSI 13 – Postoperative Sepsis Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	10,600	2,532,457	4.19
Females	4,670	1,441,337	3.24
Males	5,930	1,091,120	5.43
0 to 17 years	--	--	--
18 to 39 years	484	215,279	2.25
40 to 64 years	3,934	1,178,350	3.34
65 to 74 years	3,213	688,977	4.66
75+ years	2,969	449,851	6.60
Private	2,662	1,041,344	2.56
Medicare	6,661	1,189,493	5.60
Medicaid	768	143,008	5.37
Other	289	99,210	2.91
Uninsured (self-pay/no charge)	220	59,402	3.70

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**Table 20. PSI 14 – Postoperative Wound Dehiscence Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	1,402	821,047	1.71
Females	453	495,096	0.91
Males	949	325,951	2.91
0 to 17 years	--	--	--
18 to 39 years	117	117,358	1.00
40 to 64 years	602	402,132	1.50
65 to 74 years	362	163,277	2.22
75+ years	321	138,280	2.32
Private	363	343,602	1.06
Medicare	730	318,718	2.29
Medicaid	169	79,051	2.14
Other	60	30,095	1.99
Uninsured (self-pay/no charge)	80	49,581	1.61

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**Table 21. PSI 15 – Accidental Puncture or Laceration Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	724	1,014,366	0.71
Females	373	607,035	0.61
Males	351	407,331	0.86
0 to 17 years	--	--	--
18 to 39 years	93	153,971	0.60
40 to 64 years	299	507,739	0.59
65 to 74 years	180	196,980	0.91
75+ years	152	155,676	0.98
Private	204	438,070	0.47
Medicare	384	387,166	0.99
Medicaid	70	94,849	0.74
Other	32	35,998	0.89
Uninsured (self-pay/no charge)	34	58,283	0.58

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**Table 22. PSI 16 – Transfusion Reaction Count**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	38	.	.
Females	21	.	.
Males	17	.	.
0 to 17 years	--	.	.
18 to 39 years	13	.	.
40 to 64 years	17	.	.
65 to 74 years	*****	.	.
75+ years	*****	.	.
Private	42,725	.	.
Medicare	11	.	.
Medicaid	12	.	.
Other	--	.	.
Uninsured (self-pay/no charge)	*****	.	.

\*\*\*\* Obscured due to small sample size

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**Table 23. PSI 18 – Obstetric Trauma Rate – Vaginal Delivery With Instrument**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	16,741	130,922	127.87
Females	16,741	130,922	127.87
Males	--	--	--
0 to 17 years	482	4,367	110.37
18 to 39 years	15,942	123,341	129.25
40 to 64 years	317	3,214	98.63
65 to 74 years	--	--	--
75+ years	--	--	--
Private	11,019	70,977	155.25
Medicare	57	732	77.87
Medicaid	4,674	51,091	91.48
Other	483	3,987	121.14
Uninsured (self-pay/no charge)	508	4,135	122.85

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**Table 24. PSI 19 – Obstetric Trauma Rate – Vaginal Delivery Without Instrument**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 1,000 (=OBSERVED RATEx1,000)
Overall	36,536	1,829,597	19.97
Females	36,536	1,829,597	19.97
Males	--	--	--
0 to 17 years	997	43,830	22.75
18 to 39 years	34,973	1,744,969	20.04
40 to 64 years	566	40,798	13.87
65 to 74 years	--	--	--
75+ years	--	--	--
Private	23,877	896,304	26.64
Medicare	150	11,728	12.79
Medicaid	10,280	810,051	12.69
Other	1,168	57,125	20.45
Uninsured (self-pay/no charge)	1,061	54,389	19.51

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**Table 25. PSI 21 – Retained Surgical Item or Unretrieved Device Fragment Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	2,007	219,821,610	0.91
Females	1,149	112,879,818	1.02
Males	858	106,941,792	0.80
0 to 17 years	*****	*****	*****
18 to 39 years	403 - 412	83,810,309 - 83,810,318	0.48 - 0.49
40 to 64 years	860	95,139,314	0.90
65 to 74 years	399	23,036,551	1.73
75+ years	341	17,835,431	1.91

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**Table 26. PSI 22 – Latrogenic Pneumothorax Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	11,795	219,821,649	5.37
Females	6,774	112,879,836	6.00
Males	5,021	106,941,813	4.70
0 to 17 years	--	--	--
18 to 39 years	889	83,810,312	1.06
40 to 64 years	3,740	95,139,318	3.93
65 to 74 years	2,864	23,036,560	12.43
75+ years	4,302	17,835,459	24.12

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**Table 27. PSI 23 – Central Venous Catheter-Related Blood Stream Infection Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	10,264	219,821,627	4.67
Females	5,629	112,879,828	4.99
Males	4,635	106,941,799	4.33
0 to 17 years	*****	*****	*****
18 to 39 years	2,628 - 2,637	83,810,306 - 83,810,315	3.14 - 3.15
40 to 64 years	4,666	95,139,320	4.90

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65 to 74 years	1,542	23,036,553	6.69
75+ years	1,417	17,835,436	7.94

\*\*\*\* Obscured due to small sample size

**Table 28. PSI 24 – Postoperative Wound Dehiscence Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	3,108	219,821,618	1.41
Females	1,230	112,879,820	1.09
Males	1,878	106,941,798	1.76
0 to 17 years	--	--	--
18 to 39 years	293	83,810,312	0.35
40 to 64 years	1,422	95,139,319	1.49
65 to 74 years	759	23,036,551	3.29
75+ years	634	17,835,436	3.55

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**Table 29. PSI 25 – Accidental Puncture or Laceration Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	823	219,821,607	0.37
Females	433	112,879,820	0.38
Males	390	106,941,787	0.36
0 to 17 years	--	--	--
18 to 39 years	105	83,810,312	0.13
40 to 64 years	343	95,139,315	0.36
65 to 74 years	206	23,036,549	0.89
75+ years	169	17,835,431	0.95

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**Table 30. PSI 26 – Transfusion Reaction Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	155	219,821,602	0.07
Females	111	112,879,814	0.10
Males	44	106,941,788	0.04
0 to 17 years	--	--	--
18 to 39 years	76 - 85	83,810,313	0.09 - 0.10
40 to 64 years	49	95,139,314	0.05
65 to 74 years	13	23,036,548	0.06
75+ years	*****	17,835,427	*****

\*\*\*\* Obscured due to small sample size

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**Table 31. PSI 27 – Perioperative Hemorrhage or Hematoma Rate**

INDICATOR	NUMERATOR	DENOMINATOR	OBSERVED RATE PER 100,000 (=OBSERVED RATEx100,000)
Overall	58,660	219,821,861	26.69
Females	27,965	112,879,918	24.77
Males	30,695	106,941,943	28.70
0 to 17 years	--	--	--
18 to 39 years	6,445	83,810,317	7.69
40 to 64 years	24,438	95,139,360	25.69

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65 to 74 years	14,074	23,036,599	61.09
75+ years	13,703	17,835,585	76.83

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